

**STATE OF NEW HAMPSHIRE
STATE BUILDING CODE REVIEW BOARD**

**PART Bcr 304 CHANGES OR UPDATES TO THE INTERNATIONAL PLUMBING
CODE 2009**

Effective April 1, 2010

Bcr 304.1. International Plumbing Code 2009.

(a) Pursuant to RSA 155-A:10, V, the board hereby adopts the following changes and updates to the applicable provisions of the *International Plumbing Code 2009*.

(1) Amend section 101.1 of the *International Plumbing Code 2009* by replacing said section with the following:

101.1 Title. These regulations shall be known as the *International Plumbing Code* of the State of New Hampshire hereinafter referred to as "this code."

(2) Amend section 101.2 of the *International Plumbing Code 2009* by replacing said section with the following:

101.2 Scope. The provisions of this code shall apply to the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems within this jurisdiction. This code shall also regulate nonflammable medical gas, inhalation anesthetic, vacuum piping, nonmedical oxygen systems and sanitary and condensate vacuum collection systems. Fuel gas systems shall comply with the New Hampshire Fire Code, Saf-C 6000 (NFPA 54). Provisions in the appendices shall not apply unless specifically adopted.

Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not having more than three stories high with separate means of egress and their accessory structures shall comply with the *International Residential Code*.

(3) Amend section 104.2 of the *International Plumbing Code 2009* by replacing said section with the following:

104.2 Rule-making authority. The code official shall have authority as necessary in the interest of public health, safety and general welfare to adopt and promulgate written rules and regulations to interpret and implement the provisions of this code to secure the intent thereof and to designate requirements applicable because of local climatic or other conditions. Such rules shall not have the effect of waiving structural or fire performance requirements specifically provided for in this code, or of violating accepted engineering practice involving public safety."

(4) Amend section 106.6.2 of the *International Plumbing Code 2009* by replacing said section with the following:

106.6.2 Fee schedule. The fees for all plumbing work shall be as indicated by administrative rules Plu 306.01 and/or as determined by the local jurisdiction.

(5) Amend section 106.6.3 of the *International Plumbing Code 2009* by deleting said section.

(6) Amend section 108.4 of the *International Plumbing Code 2009* by replacing said section with the following:

108.4 Violation penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be subject to penalties as prescribed by law. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

(7) Amend section 108.5 of the *International Plumbing Code 2009* by replacing said section with the following:

108.5 Stop work orders. Upon notice from the code official that plumbing system is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties as prescribed by law.

(8) Amend section 305.6.1 of the *International Plumbing Code 2009* by replacing said section with the following:

301.3 Connections to the sanitary drainage system. All plumbing fixtures, drains, appurtenances and appliances used to receive or discharge liquid wastes or sewage shall be directly connected to the sanitary drainage system of the building or premises, in accordance with the requirements of this code. This section shall not be construed to prevent the indirect waste systems required by Chapter 8.

Exception: Bathtubs, showers, lavatories, clothes washers and laundry trays shall not be required to discharge to the sanitary drainage system where such fixtures discharge to an approved gray water system for flushing of water closets and urinals or for subsurface

landscape irrigation provided that all irrigation use is first approved by the State of NH Department or Environmental Services.

(9) Amend section 501.2 of the *International Plumbing Code 2009* by replacing said section with the following:

501.2 Water heater as space heater. Where a combination potable water heating and space heating system requires water for space heating, a master thermostatic mixing valve complying with ASSE 1017 shall be provided to limit the water supplied to the potable hot water distribution system to a temperature of 130°F (55°C) or less. The potability of the water shall be maintained throughout the system.

(10) Amend section 501.6 of the *International Plumbing Code 2009* by replacing said section with the following:

501.6 Water temperature control in piping from tankless heaters. The temperature of water from tankless heaters intended for faucets for domestic or personal hygiene use shall be a maximum of 130°F (55°C). A tempering device conforming to ASSE 1017 shall be installed to control the water temperature. This provision shall not supersede the requirement for protective shower valves in accordance with Section 424.3.

(11) Amend section 701.2 of the *International Plumbing Code 2009* by replacing said section with the following:

701.2 Sewer required. Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer, where available, or an approved private sewage disposal system in accordance with RSA 485-A:29-44.

(12) Amend section 904.1 of the *International Plumbing Code 2009* by replacing said section with the following:

Section 904.1 Roof extension. All open pipes that extend through a roof shall be terminated at least 12 inches (305 mm) above the roof, except that where a roof is to be used for any purpose other than weather protection, the vent extensions shall be run at least 7 feet (2134 mm) above the roof.

(13) Amend section 305.6.1 of the *International Plumbing Code 2009* by replacing said section with the following:

305.6.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall conform to RSA 485-A relative to minimum depth below finished grade. Building sewers that connect to public sewers shall be a minimum depth of 48 inches (1219 mm) below grade or

adequately insulated to afford the same protection whenever a condition arises that the 48 inches (1219 mm) cannot be attained.

(14) Amend section 404.4.1 of the *International Plumbing Code 2009* by replacing said section with the following:

404.1.1 Where required. Accessible plumbing facilities and fixtures shall be provided in accordance with the *International Building Code* and the State of NH Architectural Barrier Free Design Standards.

(15) Amend section 501.8 of the *International Plumbing Code 2009* by replacing said section with the following:

501.8 Temperature controls. All hot water supply systems shall be equipped with automatic temperature controls capable of adjustments from the lowest to the highest acceptable temperature settings for the intended temperature operating range. The temperature of water supplied at faucets for domestic or personal hygiene use shall be limited to a maximum of 130°F (55°C).

(16) Amend section 607.1 of the *International Plumbing Code 2009* by replacing said section with the following:

607.1 Where required. In residential occupancies, hot water not to exceed 130°F (55°C) shall be supplied to all plumbing fixtures and equipment utilized for bathing, washing, culinary purposes, cleansing, laundry or building maintenance. In nonresidential occupancies, hot water not to exceed 130°F (55°C) shall be supplied for culinary purposes, cleansing, laundry or building maintenance purposes. In nonresidential occupancies, hot water or tempered water shall be supplied for bathing and washing purposes. Tempered water shall be supplied through a water temperature limiting device that conforms to ASSE 1070 and shall limit the tempered water to a maximum of 110°F (43°C). This provision shall not supersede the requirement for protective shower valves in accordance with Section 424.3.

(17) Adopt Appendix C in its entirety per 101.2

**APPENDIX C
GREY WATER RECYCLING SYSTEM**

(18) Adopt Appendix B in its entirety per 101.2:

**APPENDIX B
RATES OF RAINFALL FOR VARIOUS CITIES**

(19) Adopt Appendix F in its entirety per 101.2:

**APPENDIX F
STRUCTURAL SAFETY**

(20) Adopt Appendix G in its entirety per 101.2:

APPENDIX G
VACUUM DRAINAGE SYSTEM

(21) Amend sections 605.22.2, 705.8.2, and 705.14.2 of the *International Plumbing Code 2009* by replacing said sections with the following language:

Solvent cementing. Joint surfaces shall be clean and free from moisture. A primer that conforms to ASTM F 656 shall be applied. Solvent cement not purple in color and conforming to ASTM D 2564 or CSA CAN/CSA-B137.3, CSA CAN/CSA-B181.2 or CSA CAN/CSA-B182 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM 2855. Solvent-cement joints shall be permitted above or below ground.